# 实时监控系统接口说明

# RestFul接口

接口IP和端口号：

http://127.0.0.1:9098/

RESTFUL接口状态码（response code）说明：

200：请求成功；如果请求存在应答体，则通过response body 获取服务返回的内容；

400：请求失败；

## 获取所有地区所有地块评估类型的项目体信息

|  |  |  |  |
| --- | --- | --- | --- |
| 名称 | project/getAll | 方法 | get |
| 用途 | 获取所有地区所有地块评估类型的项目体信息 | | |
| 请求参数body | 无 | | |
| 结构 | | | |
| 有数据：  {  "msg": "获取成功",  "res": [  {  "id": 3,  "area": "0001",  "ground\_name": "静安1号",  "ground\_num": "31010720190001",  "ground\_type": 1,  "assess\_type": 3,  "ground\_lng": 121.442569,  "ground\_lat": 31.219588,  "monitor\_time": "2019.01.16",  "remarks": "无"  },  {  "id": 4,  "area": "0001",  "ground\_name": "静安2号",  "ground\_num": "31010720190008",  "ground\_type": 1,  "assess\_type": 2,  "ground\_lng": 121.443569,  "ground\_lat": 31.239588,  "monitor\_time": "2019.01.12",  "remarks": "2"  }  ]  "success": "true"  }  无数据：  {  success: false,  msg: '没有项目体信息'  } | | | |
|  | | | |

## 获取某项目体的所有监测点位位置

|  |  |  |  |
| --- | --- | --- | --- |
| 名称 | ground/getMarkerList/:ground\_num | 方法 | get |
| 用途 | 获取某项目体的所有监测点位位置 | | |
| 请求参数body | {  ground\_num//项目体编号  } | | |
| 结构 | | | |
| 有数据：  {  "msg": "获取成功",  "res": [  {  "id": 1,  "point\_num": "31010720190001001",  "point\_intro": "静安1号监测点001的深度1",  "point\_depth": "0-10",  "ground\_num": "31010720190001",  "sampling\_time": 24,  "point\_address": "B3",  "point\_lng": 121.457678,  "point\_lat": 31.273827,  "point\_monitor\_time": "2019.01.16",  "remarks": "无",  "count": 10  },  {  "id": 2,  "point\_num": "31010720190001001",  "point\_intro": "静安1号监测点001的深度2",  "point\_depth": "10-20",  "ground\_num": "31010720190001",  "sampling\_time": 24,  "point\_address": "B1",  "point\_lng": 121.457678,  "point\_lat": 31.273827,  "point\_monitor\_time": "2019.01.17",  "remarks": "哈哈",  "count": 13  },  {  "id": 4,  "point\_num": "31010720190001002",  "point\_intro": "静安1号监测点002的深度1",  "point\_depth": "20-30",  "ground\_num": "31010720190001",  "sampling\_time": 24,  "point\_address": "B1",  "point\_lng": 121.456369,  "point\_lat": 31.278925,  "point\_monitor\_time": "2019.01.12",  "remarks": "哈哈3",  "count": 2  }  ],  "success": "true"  } | | | |
|  | | | |

## 获取项目体编号对应的监测点位表格信息的接口

|  |  |  |  |
| --- | --- | --- | --- |
| 名称 | ground/getGroundList | 方法 | post |
| 用途 | 根据页码、每页显示数、项目体编号获取对应的监测点位信息,包括监测点位编号、点位描述、点位深度、监测周期、点位经纬度、备注信息、当天污染信息 | | |
| 请求参数body | {  TableOptions:{  currentPage(Number) //页码  page\_size(Number) //每页显示数  selectedOptions(String) //项目体编号  }  } | | |
| 结构 | | | |
| 无数据：  {"msg":"没有监测点位信息",  "res": [],  "count":"0",  "success":"true"  }  有数据时：  {  "success": true,  "res": [  {  "id": 5,  "point\_num": "31010720190001009",  "point\_intro": "MW-9",  "point\_depth": 1.9,  "ground\_num": "31010720190009",  "sampling\_time": 24,  "point\_address": "B1",  "point\_lng": 121.422569,  "point\_lat": 31.239588,  "point\_monitor\_time": "2019.04.08",  "remarks": "哈哈3",  "point\_element": [  {  "element": "PH",  "value": 6.21,  "reference": 7,  "ispollution": 0  },  {  "element": "arsenic",  "value": 9.12,  "reference": 6.68,  "ispollution": 1  },  {  "element": "mercury",  "value": 21.16,  "reference": 0.312,  "ispollution": 1  },  {  "element": "antimony",  "value": 2.66,  "reference": 0.19,  "ispollution": 1  },  {  "element": "beryllium",  "value": 1.26,  "reference": 2.94,  "ispollution": 0  }  ]  }  ],  "count": 1,  "element\_Map": [  [  "PH",  "PH值"  ],  [  "arsenic",  "砷"  ],  [  "cadmium",  "镉"  ],  [  "chromium",  "铬"  ],  [  "copper",  "铜"  ],  [  "lead",  "铅"  ],  [  "mercury",  "汞"  ],  [  "nickel",  "镍"  ],  [  "antimony",  "锑"  ],  [  "beryllium",  "铍"  ],  [  "cobalt",  "钴"  ],  [  "zinc",  "锌"  ],  [  "silver",  "银"  ],  [  "thallium",  "铊"  ],  [  "tin",  "锡"  ],  [  "selenium",  "硒"  ],  [  "molybdenum",  "钼"  ],  [  "Alum",  "矾"  ]  ],  "msg": "获取成功"  } | | | |

## 获取某监测点位历史数据接口

|  |  |  |  |
| --- | --- | --- | --- |
| 名称 | /ground/getAllHistoryData | 方法 | post |
| 用途 | 获取某监测点位历史数据 | | |
| 请求参数body | {  point\_num(String)//监测点位编号，  point\_depth(String)//监测点位深度  fliter\_date //筛选时间  fliter\_element //筛选元素  currentPage (Number)//页码。  page\_size (Number)//每页显示数。  } | | |
| 结构 | | | |
| 有数据时：  {  "success": true,  "res": [  {  "element": "PH",  "value": 6.322,  "reference": 6.2,  "unit": "ph",  "date": "2019-04-15T22:06:44.000Z",  "ispollution": 1  },  {  "element": "arsenic",  "value": 13.264,  "reference": 3.65,  "unit": "mg",  "date": "2019-04-15T22:06:44.000Z",  "ispollution": 1  },  {  "element": "copper",  "value": 2.66,  "reference": 21.23,  "unit": "mg",  "date": "2019-04-15T22:06:44.000Z",  "ispollution": 0  },  {  "element": "selenium",  "value": 6.213,  "reference": 21.323,  "unit": "mg",  "date": "2019-04-15T22:06:44.000Z",  "ispollution": 0  },  {  "element": "PH",  "value": 6.322,  "reference": 6.2,  "unit": "ph",  "date": "2019-04-16T22:06:44.000Z",  "ispollution": 1  },  {  "element": "arsenic",  "value": 6.322,  "reference": 3.65,  "unit": "mg",  "date": "2019-04-16T22:06:44.000Z",  "ispollution": 1  },  {  "element": "chromium",  "value": 2.66,  "reference": 23.326,  "unit": "mg",  "date": "2019-04-16T22:06:44.000Z",  "ispollution": 0  },  {  "element": "thallium",  "value": 6.654,  "reference": 23.23,  "unit": "mg",  "date": "2019-04-16T22:06:44.000Z",  "ispollution": 0  }  ],  "count": 9,  "element\_options\_arr": [  "PH",  "arsenic",  "copper",  "selenium",  "chromium",  "thallium",  "Alum"  ],  "msg": "获取成功"  }  无数据时：  {  "success": true,  "res": []  "count": 0,  "msg": "获取成功"  } | | | |
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